

## Title (en)

PROCESS FOR OBTAINING CITRUS FIBER FROM CITRUS PEEL

## Title (de)

VERFAHREN ZUR GEWINNUNG VON ZITRUSFASERN AUS ZITRUSCHALE

## Title (fr)

PROCÉDÉ POUR L'OBTENTION DE FIBRES D'AGRUMES À PARTIR D'ÉCORCES D'AGRUMES

## Publication

**EP 3372093 A1 20180912 (EN)**

## Application

**EP 17203958 A 20130117**

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- US 201261588915 P 20120120
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- US 2013021888 W 20130117

## Abstract (en)

The invention relates to a citrus fiber obtained from spent citrus peel, the citrus fiber having a c\* close packing concentration value of less than 3.8 wt% anhydrous base.

## IPC 8 full level

**A23L 19/00** (2016.01); **A23K 10/10** (2016.01); **A23L 29/206** (2016.01); **A23L 33/21** (2016.01); **A61K 8/97** (2017.01); **A61Q 5/00** (2006.01); **C11D 3/00** (2006.01)

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**A23D 7/0053** (2013.01 - CN EP US); **A23D 7/0056** (2013.01 - CN EP US); **A23D 9/007** (2013.01 - CN EP US); **A23K 10/30** (2016.05 - BR EP US); **A23K 10/37** (2016.05 - EP US); **A23K 20/10** (2016.05 - EP US); **A23K 20/163** (2016.05 - EP US); **A23L 2/52** (2013.01 - CN EP US); **A23L 19/00** (2016.07 - RU); **A23L 19/07** (2016.07 - BR EP US); **A23L 29/206** (2016.07 - EP US); **A23L 33/21** (2016.07 - EP US); **A23L 33/22** (2016.07 - EP US); **A23N 7/00** (2013.01 - RU); **A61K 8/97** (2013.01 - CN); **A61K 8/9789** (2017.07 - EP US); **A61K 47/46** (2013.01 - CN US); **A61Q 19/00** (2013.01 - CN EP US); **C11D 3/382** (2013.01 - CN EP US); **A23K 10/37** (2016.05 - BR); **A23K 20/10** (2016.05 - BR); **A23K 20/163** (2016.05 - BR); **A23L 2/52** (2013.01 - BR); **A23L 29/206** (2016.07 - BR); **A23L 33/21** (2016.07 - BR); **A23L 33/22** (2016.07 - BR); **A23V 2002/00** (2013.01 - US); **A61K 2800/10** (2013.01 - CN EP US); **A61K 2800/48** (2013.01 - CN US); **A61K 2800/805** (2013.01 - CN EP US); **A61K 2800/85** (2013.01 - CN US); **Y02P 60/87** (2015.11 - EP US)

## Citation (applicant)

- CHEMICAL ABSTRACTS, Columbus, Ohio, US; abstract no. 7647-14-5
- CHEMICAL ABSTRACTS, Columbus, Ohio, US; abstract no. 10035-04-8
- CHEMICAL ABSTRACTS, Columbus, Ohio, US; abstract no. 107-21-1

## Citation (search report)

- [XPA] WO 2012016201 A2 20120202 - CARGILL INC [US], et al
- [XPA] WO 2012016190 A1 20120202 - CARGILL INC [US], et al
- [XAI] EP 0485030 A1 19920513 - PROCTER & GAMBLE [US]
- [XAI] WO 2011131457 A1 201111027 - UNILEVER NV [NL], et al
- [XI] HUANG D ET AL: "Production of water-soluble orange peel fiber used as dietary food material involves dipping fresh orange peel in Vitamin C or citric acid solution, drying, crushing, extracting, centrifuging extract, adding water, and pulverizing", WPI / THOMSON,, vol. 2010, no. 62, 11 August 2010 (2010-08-11), XP002710484

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**US 2013021888 W 20130117**; AR P130100148 A 20130118; AU 2013209799 A 20130117; BR 112014017451 A 20130117; CA 2861904 A 20130117; CN 201380005993 A 20130117; DE 202013012659 U 20130117; DE 202013012660 U 20130117; EP 13703924 A 20130117; EP 17203958 A 20130117; MX 2014008671 A 20130117; MY PI2014701961 A 20130117; RU 2014134024 A 20130117; US 201314372354 A 20130117; ZA 201405324 A 20140718